APRIL/MAY 2023

GEAM14C/DEAM14C — BIOSAFETY

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is infectious agents?
2. Define Aseptic technique.
3. What is Bioterrorism?
4. What does LMOs stand for?
5. Define Animal biosafety.
6. Define Biosafety levels.
7. Write any two role of biosafety management.
8. Define Risk communication of biosafety.
9. Define infectious substances.
10. What does RCGM stand for?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Describe about the history and scope of Biosafety.

Or

(b) Write short notes on the disease transmission and epidemiology.

12. (a) Give an account on rDNA technology.

Or

(b) Describe the GMO applications on agriculture.

13. (a) Discuss about the NIH guidelines on Biocontainment.

Or

(b) Write a note on CDC Biosafety and its functions.

14. (a) Enlist the Biohazardous agents and its safety measures.

Or

(b) Give a short account on the disinfection procedures.

15. (a) Describe about the importance of Biosafety guidelines.

Or

(b) Write about the Cartagena protocol on Biosafety in India.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a detailed account on disease transmission from infected animals.

17. Explain in detail about the risk, analysis. assessment, management and communication in environmental release of GMOs.

18. Write an account on Biological safety cabinets and its function.

19. Describe about the emergency planning and response in biosafety management.

20. Give an account on role of review committee on genetic manipulation.

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